

Recovery Plan Action Status

Plan Name: Recovery Plan for the Maui Plant Cluster

Plan Status: Final

Plan Date: 29-Jul-97

Lead Agency: USFWS

Lead Office: Pacific Islands Fish And Wildlife Office

(808)

792-9400)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaiian red-flowered geranium (<i>Geranium arboreum</i>), Alani (<i>Melicope mucronulata</i>), Nohoanu (<i>Geranium multiflorum</i>), Haha (<i>Cyanea lobata</i>), No common name (<i>Schiedea haleakalensis</i>), No common name (<i>Lysimachia lydgatei</i>), `Oha wai (<i>Clermontia oblongifolia</i> ssp. <i>mauiensis</i>), Ko`oko`olau (<i>Bidens micrantha</i> ssp. <i>kalealaha</i>), Kio`ele (<i>Hedyotis coriacea</i>), Haha (<i>Cyanea mcedowneyi</i>), Alani (<i>Melicope ovalis</i>), Maui remya (<i>Remya mauiensis</i>), Liliwai (<i>Acaena exigua</i>), Alani (<i>Melicope balloui</i>), Pamakani (<i>Tetramolopium capillare</i>), Alani (<i>Melicope adscendens</i>), Dwarf naupaka (<i>Scaevola coriacea</i>), Nehe (<i>Lipochaeta kamolensis</i>), `Ahinahina (<i>Argyroxiphium sandwicense</i> ssp. <i>macrocephalum</i>), Wawae`ole (<i>Huperzia mannii</i>)	1	1111	Map known locations	Ongoing Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, The Nature Conservancy of Hawaii, U.S. Geological Survey, Biological Resources Division	Research: Population Surveys	Contract, Graduate Student, Internal Field Assistance, Species Expert	This is an ongoing action, as the status of the species and their threats change constantly.

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Hawaiian red-flowered geranium (<i>Geranium arboreum</i>), Alani (<i>Melicope mucronulata</i>), Nohoanu (<i>Geranium multiflorum</i>), Haha (<i>Cyanea lobata</i>), No common name (<i>Schiedea haleakalensis</i>), No common name (<i>Lysimachia lydgatei</i>), `Oha wai (<i>Clermontia oblongifolia</i> ssp. <i>mauiensis</i>), Ko`oko`olau (<i>Bidens micrantha</i> ssp. <i>kalealahua</i>), Kio`ele (<i>Hedyotis coriacea</i>), Haha (<i>Cyanea mcedowneyi</i>), Alani (<i>Melicope ovalis</i>), Maui remya (<i>Remya mauiensis</i>), Liliwai (<i>Acaena exigua</i>), Alani (<i>Melicope balloui</i>), Pamakani (<i>Tetramolopium capillare</i>), Alani (<i>Melicope adscendens</i>), Dwarf naupaka (<i>Scaevola coriacea</i>), Nehe (<i>Lipochaeta kamolensis</i>), `Ahinahina (<i>Argyroxiphium sandwicense</i> ssp. <i>macrocephalum</i>), Wawai`ole (<i>Huperzia mannii</i>)	2	22	Study growth	Ongoing Not Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, U.S. Geological Survey, Biological Resources Division	Research: Demographic Studies, Research: Genetics, Research: Population Surveys	Contract, Graduate Student, Internal Technical Assistance, Species Expert	The current knowledge has been gathered mainly from incidental observations during propagation, field surveys, and monitoring. More detailed experimental research is needed to fully understand this aspect of the species.

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaiian red-flowered geranium (<i>Geranium arboreum</i>), Alani (<i>Melicope mucronulata</i>), Nohoanu (<i>Geranium multiflorum</i>), Haha (<i>Cyanea lobata</i>), No common name (<i>Schiedea haleakalensis</i>), No common name (<i>Lysimachia lydgatei</i>), `Oha wai (<i>Clermontia oblongifolia</i> ssp. <i>mauiensis</i>), Ko`oko`olau (<i>Bidens micrantha</i> ssp. <i>kalealahua</i>), Kio`ele (<i>Hedyotis coriacea</i>), Haha (<i>Cyanea mcdowenii</i>), Alani (<i>Melicope ovalis</i>), Maui remya (<i>Remya mauiensis</i>), Liliwai (<i>Acaena exigua</i>), Alani (<i>Melicope balloui</i>), Pamakani (<i>Tetramolopium capillare</i>), Alani (<i>Melicope adscendens</i>), Dwarf naupaka (<i>Scaevola coriacea</i>), Nehe (<i>Lipochaeta kamolensis</i>), `Ahinahina (<i>Argyroxiphium sandwicense</i> ssp. <i>macrocephalum</i>), Wawai`ole (<i>Huperzia mannii</i>)	2	23	Study reproductive viability	Ongoing Not Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, U.S. Geological Survey, Biological Resources Division	Research: Demographic Studies, Research: Genetics, Research: Population Surveys	Contract, Graduate Student, Internal Field Assistance, Species Expert	The current knowledge has been gathered mainly from incidental observations during propagation, field surveys, and monitoring. More detailed experimental research is needed to fully understand this aspect of the species.

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaiian red-flowered geranium (<i>Geranium arboreum</i>), Alani (<i>Melicope mucronulata</i>), Nohoanu (<i>Geranium multiflorum</i>), Haha (<i>Cyanea lobata</i>), No common name (<i>Schiedea haleakalensis</i>), No common name (<i>Lysimachia lydgatei</i>), `Oha wai (<i>Clermontia oblongifolia</i> ssp. <i>mauiensis</i>), Ko`oko`olau (<i>Bidens micrantha</i> ssp. <i>kalealahua</i>), Kio`ele (<i>Hedyotis coriacea</i>), Haha (<i>Cyanea mcedowneyi</i>), Alani (<i>Melicope ovalis</i>), Maui remya (<i>Remya mauiensis</i>), Liliwai (<i>Acaena exigua</i>), Alani (<i>Melicope balloui</i>), Pamakani (<i>Tetramolopium capillare</i>), Alani (<i>Melicope adscendens</i>), Dwarf naupaka (<i>Scaevola coriacea</i>), Nehe (<i>Lipochaeta kamolensis</i>), `Ahinahina (<i>Argyroxiphium sandwicense</i> ssp. <i>macrocephalum</i>), Wawaе`ole (<i>Huperzia mannii</i>)	2	24	Determine parameters of viable populations	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, U.S. Geological Survey, Biological Resources Division	Other: Regulations, Research: Competition, Research: Demographic Studies, Research: Genetics, Research: Habitat Requirements, Research: Habitat Status, Research: Population Surveys, Research: Predation	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert	

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Alani (<i>Melicope mucronulata</i>), Haha (<i>Cyanea lobata</i>), No common name (<i>Schiedea haleakalensis</i>), No common name (<i>Lysimachia lydgatei</i>), Mahoe (<i>Alectryon macrococcus</i>), 'Oha wai (<i>Clermontia oblongifolia</i> ssp. <i>mauiensis</i>), Kio'ele (<i>Hedyotis coriacea</i>), Maui remya (<i>Remya mauiensis</i>), Liliwai (<i>Acaena exigua</i>), Pamakani (<i>Tetramolopium capillare</i>), Alani (<i>Melicope adscendens</i>), Dwarf naupaka (<i>Scaevola coriacea</i>), Nehe (<i>Lipochaeta kamolensis</i>)	2	311	Determine propagation methods	Ongoing Not Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Ecological Services Division, Botanical Gardens, Hawaii Department of Land and Natural Resources	Management: Propagation	Contract, Graduate Student, Internal Technical Assistance	This task has been completed for most species in this recovery plan, but not all.
Alani (<i>Melicope mucronulata</i>), Haha (<i>Cyanea lobata</i>), No common name (<i>Schiedea haleakalensis</i>), No common name (<i>Lysimachia lydgatei</i>), Mahoe (<i>Alectryon macrococcus</i>), 'Oha wai (<i>Clermontia oblongifolia</i> ssp. <i>mauiensis</i>), Kio'ele (<i>Hedyotis coriacea</i>), Maui remya (<i>Remya mauiensis</i>), Liliwai (<i>Acaena exigua</i>), Pamakani (<i>Tetramolopium capillare</i>), Alani (<i>Melicope adscendens</i>), Dwarf naupaka (<i>Scaevola coriacea</i>), Nehe (<i>Lipochaeta kamolensis</i>)	2	312	Determine augmentation methods	Partially Complete	Prior to FY 1995		U.S. Fish and Wildlife Service, Ecological Services Division, Botanical Gardens, Hawaii Department of Land and Natural Resources	Management: Reintroduction	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert	

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Alani (<i>Melicope mucronulata</i>), Haha (<i>Cyanea lobata</i>), No common name (<i>Schiedea haleakalensis</i>), No common name (<i>Lysimachia lydgatei</i>), Mahoe (<i>Alectryon macrococcus</i>), 'Oha wai (<i>Clermontia oblongifolia</i> ssp. <i>mauiensis</i>), Kio'ele (<i>Hedyotis coriacea</i>), Maui remya (<i>Remya mauiensis</i>), Liliwai (<i>Acaena exigua</i>), Pamakani (<i>Tetramolopium capillare</i>), Alani (<i>Melicope adscendens</i>), Dwarf naupaka (<i>Scaevola coriacea</i>), Nehe (<i>Lipochaeta kamolensis</i>)	2	32	Propagate ex situ	Ongoing Not Current	Prior to FY 1995		U.S. Fish and Wildlife Service, Ecological Services Division, Botanical Gardens, Hawaii Department of Land and Natural Resources	Management: Reintroduction	Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	This task is limited based on the material available in ex situ collections.
Alani (<i>Melicope mucronulata</i>), Haha (<i>Cyanea lobata</i>), No common name (<i>Schiedea haleakalensis</i>), No common name (<i>Lysimachia lydgatei</i>), Mahoe (<i>Alectryon macrococcus</i>), 'Oha wai (<i>Clermontia oblongifolia</i> ssp. <i>mauiensis</i>), Kio'ele (<i>Hedyotis coriacea</i>), Maui remya (<i>Remya mauiensis</i>), Liliwai (<i>Acaena exigua</i>), Pamakani (<i>Tetramolopium capillare</i>), Alani (<i>Melicope adscendens</i>), Dwarf naupaka (<i>Scaevola coriacea</i>), Nehe (<i>Lipochaeta kamolensis</i>)	2	33	Prepare sites	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, The Nature Conservancy of Hawaii, U.S. Department of Defense, National Park Service, Private landowners	Management: Habitat Maintenance and Manipulation, Management: Predator and Competitor Control, Management: Reintroduction	Contract, Internal Field Assistance, Species Expert, Volunteer	

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Alani (<i>Melicope mucronulata</i>), Haha (<i>Cyanea lobata</i>), No common name (<i>Schiedea haleakalensis</i>), No common name (<i>Lysimachia lydgatei</i>), Mahoe (<i>Alectryon macrococcus</i>), `Oha wai (<i>Clermontia oblongifolia</i> ssp. <i>mauiensis</i>), Kio`ele (<i>Hedyotis coriacea</i>), Maui remya (<i>Remya mauiensis</i>), Liliwai (<i>Acaena exigua</i>), Pamakaní (<i>Tetramolopium capillare</i>), Alani (<i>Melicope adscendens</i>), Dwarf naupaka (<i>Scaevola coriacea</i>), Nehe (<i>Lipochaeta kamolensis</i>)	2	34	Plant	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, The Nature Conservancy of Hawaii, U.S. Department of Defense, National Park Service, Private landowners	Management: Reintroduction	Contract, Internal Field Assistance, Species Expert, Volunteer	This task is limited based on the material available in ex situ collections.
Alani (<i>Melicope mucronulata</i>), Haha (<i>Cyanea lobata</i>), No common name (<i>Schiedea haleakalensis</i>), No common name (<i>Lysimachia lydgatei</i>), Mahoe (<i>Alectryon macrococcus</i>), `Oha wai (<i>Clermontia oblongifolia</i> ssp. <i>mauiensis</i>), Kio`ele (<i>Hedyotis coriacea</i>), Maui remya (<i>Remya mauiensis</i>), Liliwai (<i>Acaena exigua</i>), Pamakaní (<i>Tetramolopium capillare</i>), Alani (<i>Melicope adscendens</i>), Dwarf naupaka (<i>Scaevola coriacea</i>), Nehe (<i>Lipochaeta kamolensis</i>)	2	35	Monitor and maintain new individuals	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, The Nature Conservancy of Hawaii, U.S. Department of Defense, National Park Service, Private landowners	Research: Population Surveys	Contract, Graduate Student, Internal Field Assistance, Volunteer	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaiian red-flowered geranium (<i>Geranium arboreum</i>), Alani (<i>Melicope mucronulata</i>), Haha (<i>Cyanea lobata</i>), No common name (<i>Schiedea haleakalensis</i>), No common name (<i>Lysimachia lydgatei</i>), Mahoe (<i>Alectryon macrococcus</i>), 'Oha wai (<i>Clermontia oblongifolia</i> ssp. <i>mauiensis</i>), Ko'oko'olau (<i>Bidens micrantha</i> ssp. <i>kalealahua</i>), Kio'ele (<i>Hedyotis coriacea</i>), Haha (<i>Cyanea mcdowenii</i>), Alani (<i>Melicope ovalis</i>), Maui remya (<i>Remya mauiensis</i>), Liliwai (<i>Acaena exigua</i>), Alani (<i>Melicope balloui</i>), Pamakani (<i>Tetramolopium capillare</i>), Alani (<i>Melicope adscendens</i>), Dwarf naupaka (<i>Scaevola coriacea</i>), Nehe (<i>Lipochaeta kamolensis</i>), 'Ahinahina (<i>Argyroxiphium sandwicense</i> ssp. <i>macrocephalum</i>), Wawa'e'ole (<i>Huperzia mannii</i>)	2	411	Identify sites for reestablishment on Maui	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii and Pacific Plant Recovery Coordinating Committee, Hawaii Department of Land and Natural Resources, U.S. Geological Survey, Biological Resources Division, National Park Service	Acquisition: General, Management: Planning	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert	

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Alani (<i>Melicope mucronulata</i>), Mahoe (<i>Alectryon macrococcus</i>), Kio'ele (<i>Hedyotis coriacea</i>), Liliwai (<i>Acaena exigua</i>), Dwarf naupaka (<i>Scaevola coriacea</i>), Wawae'ole (<i>Huperzia mannii</i>)	2	412	Identify sites for reestablishment on other islands	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii and Pacific Plant Recovery Coordinating Committee, Hawaii Department of Land and Natural Resources, U.S. Geological Survey, Biological Resources Division	Acquisition: General, Management: Habitat Maintenance and Manipulation, Management: Planning, Management: Predator and Competitor Control	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert	
Hawaiian red-flowered geranium (<i>Geranium arboreum</i>), Alani (<i>Melicope mucronulata</i>), Haha (<i>Cyanea lobata</i>), No common name (<i>Schiedea haleakalensis</i>), No common name (<i>Lysimachia lydgatei</i>), `Oha wai (<i>Clermontia oblongifolia</i> ssp. <i>mauiensis</i>), Ko'oko'olau (<i>Bidens micrantha</i> ssp. <i>kalealahi</i>), Kio'ele (<i>Hedyotis coriacea</i>), Haha (<i>Cyanea mcdoweyi</i>), Alani (<i>Melicope ovalis</i>), Maui remya (<i>Remya mauiensis</i>), Liliwai (<i>Acaena exigua</i>), Alani (<i>Melicope balloui</i>), Pamakani (<i>Tetramolopium capillare</i>), Alani (<i>Melicope adscendens</i>), Dwarf naupaka (<i>Scaevola coriacea</i>), Nehe (<i>Lipocheata kamolensis</i>), `Ahinahina (<i>Argyroxiphium sandwicense</i> ssp. <i>macrocephalum</i>), Wawae'ole (<i>Huperzia mannii</i>)	2	421	Protect reestablishment sites	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources	Management: Habitat Maintenance and Manipulation, Management: Predator and Competitor Control	Contract, Internal Field Assistance, Volunteer	

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Hawaiian red-flowered geranium (<i>Geranium arboreum</i>), Alani (<i>Melicope mucronulata</i>), Haha (<i>Cyanea lobata</i>), No common name (<i>Schiedea haleakalensis</i>), No common name (<i>Lysimachia lydgatei</i>), `Oha wai (<i>Clermontia oblongifolia</i> ssp. <i>mauiensis</i>), Ko`oko`olau (<i>Bidens micrantha</i> ssp. <i>kalealaha</i>), Kio`ele (<i>Hedyotis coriacea</i>), Haha (<i>Cyanea mcedowneyi</i>), Alani (<i>Melicope ovalis</i>), Maui remya (<i>Remya mauiensis</i>), Liliwai (<i>Acaena exigua</i>), Alani (<i>Melicope balloui</i>), Pamakani (<i>Tetramolopium capillare</i>), Alani (<i>Melicope adscendens</i>), Dwarf naupaka (<i>Scaevola coriacea</i>), Nehe (<i>Lipochaeta kamolensis</i>), `Ahinahina (<i>Argyroxiphium sandwicense</i> ssp. <i>macrocephalum</i>), Wawaе`ole (<i>Huperzia mannii</i>)	2	422	Manage reestablishment sites	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, The Nature Conservancy of Hawaii, U.S. Department of Defense, National Park Service, Private landowners	Management: Habitat Maintenance and Manipulation	Contract, Internal Field Assistance, Volunteer	

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Hawaiian red-flowered geranium (<i>Geranium arboreum</i>), Alani (<i>Melicope mucronulata</i>), Haha (<i>Cyanea lobata</i>), No common name (<i>Schiedea haleakalensis</i>), No common name (<i>Lysimachia lydgatei</i>), `Oha wai (<i>Clermontia oblongifolia</i> ssp. <i>mauiensis</i>), Ko`oko`olau (<i>Bidens micrantha</i> ssp. <i>kalealaha</i>), Kio`ele (<i>Hedyotis coriacea</i>), Haha (<i>Cyanea mcedowneyi</i>), Alani (<i>Melicope ovalis</i>), Maui remya (<i>Remya mauiensis</i>), Liliwai (<i>Acaena exigua</i>), Alani (<i>Melicope balloui</i>), Pamakani (<i>Tetramolopium capillare</i>), Alani (<i>Melicope adscendens</i>), Dwarf naupaka (<i>Scaevola coriacea</i>), Nehe (<i>Lipochaeta kamolensis</i>), `Ahinahina (<i>Argyroxiphium sandwicense</i> ssp. <i>macrocephalum</i>), Wawaе`ole (<i>Huperzia mannii</i>)	2	423	Plant	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, The Nature Conservancy of Hawaii, U.S. Department of Defense, National Park Service, Private landowners	Management: Reintroduction	Contract, Internal Field Assistance, Species Expert, Volunteer	

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Hawaiian red-flowered geranium (<i>Geranium arboreum</i>), Alani (<i>Melicope mucronulata</i>), Haha (<i>Cyanea lobata</i>), No common name (<i>Schiedea haleakalensis</i>), No common name (<i>Lysimachia lydgatei</i>), `Oha wai (<i>Clermontia oblongifolia</i> ssp. <i>mauiensis</i>), Ko`oko`olau (<i>Bidens micrantha</i> ssp. <i>kalealaha</i>), Kio`ele (<i>Hedyotis coriacea</i>), Haha (<i>Cyanea mcedowneyi</i>), Alani (<i>Melicope ovalis</i>), Maui remya (<i>Remya mauiensis</i>), Liliwai (<i>Acaena exigua</i>), Alani (<i>Melicope balloui</i>), Pamakani (<i>Tetramolopium capillare</i>), Alani (<i>Melicope adscendens</i>), Dwarf naupaka (<i>Scaevola coriacea</i>), Nehe (<i>Lipochaeta kamolensis</i>), `Ahinahina (<i>Argyroxiphium sandwicense</i> ssp. <i>macrocephalum</i>), Wawae`ole (<i>Huperzia mannii</i>)	2	424	Monitor and maintain new populations	Ongoing Not Current	FY 1995 - FY 1999		U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, The Nature Conservancy of Hawaii, U.S. Department of Defense, National Park Service, Private landowners	Management: Habitat Maintenance and Manipulation, Management: Predator and Competitor Control, Research: Population Surveys	Contract, Internal Field Assistance, Volunteer	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hawaiian red-flowered geranium (<i>Geranium arboreum</i>), Alani (<i>Melicope mucronulata</i>), Nohoanu (<i>Geranium multiflorum</i>), Haha (<i>Cyanea lobata</i>), No common name (<i>Schiedea haleakalensis</i>), No common name (<i>Lysimachia lydgatei</i>), `Oha wai (<i>Clermontia oblongifolia</i> ssp. <i>mauiensis</i>), Ko`oko`olau (<i>Bidens micrantha</i> ssp. <i>kalealahua</i>), Kio`ele (<i>Hedyotis coriacea</i>), Haha (<i>Cyanea mcdoweneyi</i>), Alani (<i>Melicope ovalis</i>), Maui remya (<i>Remya mauiensis</i>), Liliwai (<i>Acaena exigua</i>), Alani (<i>Melicope balloui</i>), Pamakani (<i>Tetramolopium capillare</i>), Alani (<i>Melicope adscendens</i>), Dwarf naupaka (<i>Scaevola coriacea</i>), Nehe (<i>Lipochaeta kamolensis</i>), `Ahinahina (<i>Argyroxiphium sandwicense</i> ssp. <i>macrocephalum</i>), Wawai`ole (<i>Huperzia mannii</i>)	3	51	Determine number of populations and individuals needed for long term survival	Not Started			U.S. Fish and Wildlife Service, Ecological Services Division, Hawaii Department of Land and Natural Resources, U.S. Geological Survey, Biological Resources Division	Other: Regulations, Research: Competition, Research: Demographic Studies, Research: Genetics, Research: Habitat Requirements, Research: Management Techniques, Research: Population Surveys, Research: Predation	Contract, Graduate Student, Internal Field Assistance, Species Expert	

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
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